(b) The list of 578 rural districts include 17 in West Bengal. The names of the districts are Bankura, Bardhaman, Birbhum, Coochbehar, Darjeeling, Dakshin, Dinajpur, Hooghly, Howrah, Jalpaiguri, Malda, Medinipur, Murshidabad, Nadia, North 24 Paraganas, Purulia, South 24 Parganas, and Uttar Dinajpur.

Substandard seeds, manure and pesticides

2600. SHRI T.T.V. DHINAKARAN: Will the Minister of AGRICULTURE
be pleased to state:

(a) whether Government are aware of the fact that substandard seeds, manure and pesticides are reponsible for low agricultural production;

(b) if so, whether Government have made any study to assess this issue;

(c) if so, the details thereof; and

(d) the details of existing mechanisms to regulate quality of seeds, manure and pesticides?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI KANTILAL BHURIA): (a) to (d) The use of quality inputs like seeds, fertilizers and pesticides are the most important determinants of agricultural production and productivity. Accordingly, cultivars, pesticides and fertilizers are assessed before release/notification/registration. Government have provided legal framework of strengthen the quality assurance regime for various agriucltural inputs under the Seeds Act, 1966, Seeds Rules, 1968, Seeds (Control) order, 1983, Fertilizer (Control) Order, 1985, Insecticides Act, 1968 & Insecticides Rules, 1971 as amended from time to time. Enforcement of these legal instruments is vested with the State Governments/Union Territories. Inspectors notified under these legal instruments are empowered to draw samples, seize stocks, issue stop sale orders in case the commodities under reference contravene these Act, Rules and Orders.

Research projects by ICAR for Andhra Pradesh

2601. SHRI C. RAMACHANDRAIAH: Will the Minister of AGRICULTURE be pleased to state:

(a) the details of research projects in agriculture funded by the Indian

Council of Agricultural Research (ICAR) during the last one and a half year;

(b) the details of projects earmarked for Andhra Pradesh;

(c) the amount released during the period;

(d) the number of projects to be taken up by the ICAR in the State during 2005-2006; and

(e) the number of *ad-hoc* projects to be funded by Government of Andhra Pradesh during 2005-2006?

THE MINISTER OF STATE IN THE MINISTRY OF AGRIUCLTURE (SHRI KANTILAL BHURIA): (a) The details are given in Statement-I *(See* below).

(b) to (d) The ICAR does not earmark research projects State-wise. However, the research projects implemented in the State of Andhra Pradesh alongwith the expenditure incurred during 2004-05 and Budget Estimates for 2005-06 are given in Statement-ll *(See* below).

(e) Not applicable as it is a State subject.

Statement-I

Scheme-wise/project-wise outlay and expenditure

(Rs. in lakh)

SI. No.	Name of the Scheme and location	2004-05 Actual Exp.	2005-06 Approved Outlay (BE)
1	2	3	4
	I. CROP SCIENCE		
1.	National Bureau of Plant Genetics Resources, New Delhi		487.30
	National Bureau of Plan Genetics Resources, New Delhi	605.61	
	i. AICRP on Under Utilised Crops, New Delhi		104.90
	90.76 ii. NRC-DNA Finder Printing, New Delhi		101.80
2.	IARI, New Delhi		1036.91
	IARI, New Delhi (Amt included for Indo Israel 950.71 for 02-03 & 03-04 in IARI)		

1	2	3	4
	i. AICRP on Pesticides Residues, New Delhi	227.82	272.20
	ii. AICRP on Nematodes, New Delhi	184.70	244.08
	iii. NRC Plant Biotechnology, New Delhi	98.90	416.00
	iv. Directorate of Maize Research, New Delhi	301.14	361.50
	v. AICRP on Maize, New Delhi	308.01	576.51
	vi. National Centre for Integrated Pest Management, New Delhi	34.00	50.00
	vii. AICRP Floriculture, New Delhi (Amt in Hort)		
	Network Programme on Insect Biosystematics (Part of		587.43
	Network Project on Transgenics (Part of NRC Plant Biotechnology)		2323.1
3.	Central rice Research Institute, Cuttack		
	Central Rice Research Institute, Cuttack	338.52	371.10
	i. Directorate of Rice Research, Hyderabad	338.88	310.00
	ii. AICRP Rice, Hyderabad	569.96	634.10
4.	Vivekananda Purvitya Krishi Anusandhan Sansthan, Almora	225.00	209.00
5.	Indian Institute of Pulses Research, Kanpur	364.99	197.01
	i. AICRP on Chickpea, Kanpur	327.45	305.60
	ii. AICRP on MULLARP, Kanpur	477.91	401.00
	iii. AICRP on Pigeon Pea, Kanpur	430.21	358.32
	iv. AICRP on Arid Legumes, Jodhpur	128.47	141.75
6.	Directorate of Wheat Research, Karnal		
	Directorate of Wheat Research, Karnal	179.98	96 50
	i.AICRP on Wheat & Barley Improvement Project,	503.87	524.00
7.	NRC Sarghum, Hyderabad		
	NRC Sorghum, Hyderabad	267.62	216.35
	i. AICRP Sorgum, Hyderabad	351.78	430.26
	ii. AICRP On Pearl Millets, Jodhpur	220.44	247.81
	iii. AICRP on Small Millets, Bangalore	186.62	193.75
8.	Indian Grassland and Fodder Research Institute, Jhansi		
	Indian Grassland and Fodder Research Institute,	378.97	325.75
	i. AICRP on Forage Crops, Jhansi	398.79	320.38
	ii. AICRP on Agroforestry (amt in NRM)		

1	2	3		4
9.	Central Tobacco Research Institute, Rajamundry			
	Central Tobacco Research Institute, Rajamundry		274.99	170.00
	i.	Network Project on Tobacco, Rajamundry	125.00	134.39
10.	Indian Institute of sugarcane Research, Lucknow			
	Indian Institute of Sugarcane Research, Lucknow		295.97	175.00
	i.	Sugarcane Breeding Institute, Coimbaore	235.44	368.00
	ii.	AICRP on Sugarcane, Lucknow	274.36	235.13
11.	Central Institute of Cotton Research, Nagpur			
	Central Institute of Cotton Research, Nagpur		153.00	221.00
	i.	AICRP on Cotton, Coimbatore	401.14	391.18
	ii.	Central Research Institute for Jute and Allied Fibres, Barrackpore	379.74	267.00
	iii.	AICRP on Jute and Allied Fibres, Barrackpore	49.99	157.89
	iv.	Technology Mission on Cotton (TMC)	403.73	400.00
12.	Directorate of Oilseeds Research, Hyderabad			
	Directorate of Oilseeds Research, Hyderabad		125.00	245.00
	i.	NRC Groundnut, Junagarh	106.77	196.50
	ii.	AICRP on Groundnut, Junagarh	225.10	310.05
	iii.	NRC Soybean, Indore	63.30	139.25
	iv.	AICRP Soybean, Indore	140.56	211.00
	v.	NRC - Rapeseed & Mustard (NRCRM), Bharatpur	54.23	249.50
	vi.	AICRP on Rapeseed & Mustard, Bharatpur	344.97	353.86
	vii.	AICRP on Sunflower, Safflower, Castor, Hyderabad	405.00	359.51
	viii.	AICRP on Linseed, Kanpur	161.55	240.94
	ix.	AICRP on sesame and Niger, Jabalpur	241.46	293.72
13.	Project Directorate of Biological Control, Bangalore			
	Project Directorate of Biological Control, Bangalore		190.00	161.00
	i.	AICRP on Biological Control, Bangalore	169.00	156.63
	ii.	AICRP on Honey Bee Research & Training, Hisar	146.00	119.80
	iii.	Network on White Grubs & Other Soil Arthropods, Jaipur	135.00	48.48
	iv.	Network on Agricultural Acarology, Bangalore	170.00	76.83
	v.	Network on Economic Ornithology, Hyderabad	115.00	92.88

1	2	3	4
14.	Directorate of Seed Research, Mau		
	Directorate of Seed Research, Mau	inAICRP	199 08
	i. AICRP component of NSP-Crops, Mao	83292	64564
15.	National Bureau of Agril, Important Micro-		
	organism (NBAIM), New Delhi	35059	41626
	Network on Rodent Control. Jodhpur (Reflected in NRM)	82 04	120 00
	Total (Crop Science)	15143.01	1900000
	II. HORTICULTURE		
16.	Indian Institute of Horticultural Research, Bangalore		
	Indian Institute of Horticultural Research, Bangalore	45998	500 00
	i. AICRP Tropical Fruits, Bangalore	29071	250 00
	ii. Central Institute of Sub Tropical Horticulture, Lucknow	25000	300 00
	iii. AICRP Sub Tropical Fruits, Lucknow	13500	200 00
	iv. NRC Litchi, Muzaffarpur	80 96	300.00
	v. NRC Citrus, Nagpur	18996	230 00
	vi. NRC Grapes, Pune	179.99	220.00
	vii. NRC Banana, Trichi	19999	21000
17.	Central Institute of Temperate Horticulture, Srinagar	174.12	200.00
18.	Central Institute of Arid Horticulture, Bikaner		
	Central Institute of Arid Horticulture, Bikaner	112.49	410 00
	i. AICRP Arid Fruits, Bikaner	119.55	120.00
19.	Indian Institute of Vegetable Research, Varanasi		
	Indian Institute of Vegetable Research, Varanasi	33992	36500
	i. NRC for Mushroom, Solan	135.15	17000
	ii. AICRP Mushroom, Solan	43 34	100 00
	iii. AICRP Vegetables, Varanasi	487.04	325.00
	iv. National Seed Project Vegetables, Varanasi	145.66	140.00
	v. NRC Onion and Garlic, Pune	164.98	200 00
20.	Central Potato Research Institute, Shimla		
	Central Potato Research Institute, Shimla	40528	450 00
	i. AICRP Potato, Shimla	218.31	22500
	ii. Central Tuber Crops Research Institute, Trivandrum	24251	250 00
	iii. AICRP Tuber Crops	10300	90 00

1	2	3		4
21.	Central Plantation Crops Research Institute, Kasargod			
	Central Plantation Crops Research Institute, Kasargod		269.99	360.00
	i. AICRP Palms		118.01	120.00
	ii. NRC Cashew, Puttur		74.15	140.00
	iii. AICRP Cashew, Puttur		75.62	90.00
	iv. NRC Oil Palm, Pedavegi, A.P.		225.00	210.00
22.	Central Agricultural Research Institute, Port Blair		269.69	300.00
23.	Indian Institute of Spices Research, Calicut			
	Indian Institute of Spices Research, Calicut		150.00	210.00
	i AICRP spices, Calicut		123.00	150.00
	ii NRC seed spices, Ajmer		174.63	300.00
24.	NRC Medicinal and Aromatic Plants, Anand			
	NRC Medicinal and Aromatic Plants, Anand		185.00	200.00
	i. Network on Medicinal and Aromatic Plants, Anand		159.00	160.00
	ii. Network on Betelvine, Anand		71.60	110.00
	AICRP Horticulture, New Delhi (reflected in CS at 2)		105.05	195.00
	Centre for Makhana, Darbhanga-earstwhile NRC (reflected in NRM at 29) (integrated with ICAR Res. Com for Eastern Region as centre)		75.81	
	NRC Orchids, Pakyong (reflected in NRM at 36)		129.98	200.00
		Total (Horticulture)	6684.46	8000.00
		III. NATURAL RESOURCE MANAGEMENT		
25.	National Bureau of Soil Survey and Land Use Planning, Nagpur		339.00	475.00
26.	Central Soil and Water Conservation Research & Training Institute, Dehradun		419.54	450.00
27.	*Indian Institute of Soil Sciences, Bhopal*			
	Indian Institute of Soil Sciences, Bhopal		199.94	250.00
	i. AICRP in Micro Secondary & Pollutant Elements in Soils and Plants, Bhopal		200.00	250.00
	ii. Network Bio-fertilizers, Bhopal		99.97	100.00
	iii. AICRP on Soil Test with Crop Response, Bhopal		209.81	250.00
	iv. AICRP on Long Term Fertilizer Experiments, Bhopal		104.86	170.00
28.	Central Soil Salinity Research Institute, Karnal			
	Central Soil Salinity Research Institute, Karnal		185.00	360.00
	i. AICRP on Salt Affected soils & use of Saline Water in Agriculture, Karnal		160.00	190.00

1	2	3		4
29.	ICAR Research Complex for Eastern Region, Patna ICAR Research Complex for Eastern Region, Patna i. Centre for Makhana, Darbhanga (Erstwhile NRC)		499.19	375.00
30.	Water Technology Centre for Eastern Region, Bhubaneshwar			
	Water Technology Centre for Eastern Region, Bhubaneshwar		147.24	190.00
	i. AICRP on Water Management Research, Patna		450.00	650.00
	ii. AICRP on Ground Water Utilisation, Patna		145.00	170.00
31.	Central Research Institute of Dryland Agriculture, Hyderabad			
	Central Research institute of Dryland Agriculture, Hyderabad		198.46	195.00
	i. AICRP Dryland Agriculture, Hyderabad		860.00	875.00
	ii. AICRP on Agrometeorology, Hyderabad		150.00	225.00
	iii. Network on Impact, Adaptation and Vulnerability of Indian Agrl. to Climate Change		175.41	520.00
32.	Central Arid Zone Research Institute, Jodhpur			
	Central Arid Zone Research Institute, Jodhpur i. Network Project on Rodent Control		247.99	200.00
33.	Project Dte. on cropping System Research, Modipuram			
	Porject Dte. on cropping System Research, Modipuram		202.87	85.00
	i. AICRP Cropping system Research, Modipuram (including network on Organic Farm.) Network on Organic Fanning		837.39	875.00
34.	NRC-Weed Science, Jabalpur NRC-Weed Science, Jabalpur		245.87	200.00
	i. AICRP Weed Control, Jabalpur		422.38	310.00
35.	ICAR Research Complex Goa		*262.00*	*260.00*
36.	ICAR Research Complex for NEH Region, Barapani			
	ICAR Research Complex for NEH Region, Barapani i. NRC on Yak ii. NRC on Mithun Medziphema, Nagaland iii. NRC on Orchids, Pakyong, Sikkim		910.25	720.00
	NRC Agroforestry, Jhansi (reflected in CS at 8)		180.00	200.00
	AICRP Agroforestry, Jhansi (reflected in CS at 8)		345.80	455.00
		Total (NRM) IV. AGRICULTURAL ENGINEERING	8177.17	9000.00
37.	Central Institute of Agricultural Engineering Bhopal Central Institute of Agricultural Engineering, Bhopal		257.54	314.00

1	2	3		4
	i. Network Project on RNAEM, Bhopal			12.00
	ii. AICRP on FIM, Bhopal		405.00	450.00
	iii. AICRP on Human Engineering and Safety in Agriculture (HESA), Bhopal		92.71	106.00
	iv. AICRP on Renewable Sources of Energy for Ag. And Agro Based Indus.		161.44	220.00
	v. AICRP on Utilization of Animal Energy (UAE), Bhopal		89.00	90.00
38.	Central Institute on Post harvest Engineering and Technology, Ludhiana Central Institute on Post harvest Engineering and Technology, Ludhiana		315.44	373.81
	i. AICRP on Application of Plastic in Agriculture, Ludhiana		86.56	85.00
	ii. AICRP on PHT, Ludhiana		695.48	810.85
	iii. AICRP on Processing handling & storage of Jaggery and Khandsari, Lucknow		in PHT	
39.	Indian Lac Research Institute, Ranchi		123.98	125.00
40.	Central Institute of Research on Cotton Technology, Mumbai		234.15	249.00
41.	National Institute of Research on Jute & Allied Fibre Technology, Calcutta		136 79	164.34
	TOTAL (AGRILENGG)	V.	2598 09	3000 00
	ANIMAL SCIENCE			
42.	National Bureau of Animal Genetic Resources, Karnal National Bureau of Animal Genetic Resources, Karnal		239.60	360.00
	i Network project on Animal Genetic Resources, Karnal		201.39	210.00
43.	National Dairy Research Institute including NRC Animal Biotechnology, Karnal National Dairy Research Institute including NRC Animal Biotechnology, Karnal i. NP on R&D Support for Process Upgradation of Indigenous Milk Products for industrial application, Karnal		876.01	825.00
	ii. Pilot Project on Integrated Rural Development Focussed on Dairying		11.82	275.00
44.	Central Sheep and Wool Research institute, Avikanagar, Rajasthan Central Sheep and Wool Research Institute, Avikanagar, Rajasthan		299.47	400.00
	i. Network Programme on Sheep Improvement, Avikanagar		75.78	280.00

1	2	3	4
45.	Central Institute for Research on Goats, Makhdoom		
	Central Institute for Research on Goats, Makhdoom	329.99	460.00
	i. AICRP on Goat Improvement, Mathura	199.03	210.00
46.	Central Institute for Research on Buffaloes, Hissar		
	Central Institute for Research on Buffaloes, Hissar	188.00	200.00
	i. Network Project on Buffaloes Improvement, Hissar	206.46	450.00
47.	National Institute of Animal Nutrition and Physiology	247.42	500.00
	National Institute of Animal Nutrition and Physiology, Bangalore i. AICRP-Improvement of Feed Sources & Nutrient Utilisation for raising Animal Production, Bangalore	212.51	335.00
48.	NRC on Camel, Bikaner	275.30	360.00
49.	NRC on Equines, Hisar		
	NRC on Equines, Hisar (included Veterinary Type Culture)	199.95	525.00
50.	Project Directorate-Cattle		
	Project Directorate-Cattle, Meerut	409.89	500.00
	i. AICRP on Cattle Research, Meerut	inPD	inPD
51.	PD on Foot & Mouth Disease, Mukteshwar	192.59	300.00
52.	Central Avian Research Institute, Izatnagar	401.79	475.00
	Central Avian Research Institute, Izatnagar i. Project Directorate on Poultry, Hyderabad ii. AICRP on Poultry, Hyderabad	198.35 317.69	200.00 355.00
53.	Indian Veterinary Research Institute, Izatnagar		
	Indian Veterinary Research Institute, Izatnagar (IVRI) i. Network on Gastro Intestinal Parasitism (FIP), Izatnagar ii. Network on Haemorrahigc Septcamia, Izatnagar iii. Network Programme Blue Tongue Disease, Izatnagar iv. PD on Animal Disease Monitoring and surveillance, Bangalore High Security Animal Disease in ADMAS	925.64 70.95 45.11 68.91 347.98	1250.00 275.00 in GIP in GIP 390.00
54.	NRC on Meat and Meat Products Technology, Hyderabad	149.72	400.00
55.	NRC on Pig	301.10	180.00
	NRC on Pig, Guwahati	275.72	290.00
	i. AICRP-Pig, Izatnagar NRC Mithun, Medziphema, Nagaland (reflected in NRM)	248.69	210.00

1	2	3	4
	NRC Yak, West Kemang (reflected in NRM)	250.00	285.00
	TOTAL (ANIMAL SCIENCE)	7766.86	10500.00
	VI. FISHERIES		
56.	Central Marine Fisheries Research Institute, Cochin	404.00	635.00
	Central Marine Fisheries Research Institute, Cochin i. Central Institute Brackishwater Aquaculture, Chennai	253.57	355.00
57.	Central Inland Capture Fisheries Research Institute, Barrackpore	334.00	268.00
	Central Inland Capture Fisheries Research Institute, Barrackpore i. National Research Centre on Cold Water Fisheries, Nainital	134.80	272.00
58.	Central Institute of Fisheries Technology, Cochin	502.28	611.00
59.	Central Institute on Fisheries Education, Mumbai	828.66	891.00
60.	Central Institute of Freshwater Aquaculture, Bhubneshwar	453.71	533.00
61.	National Bureau of Fish Genetic Resources, Lucknow	441.98	435.00
	TOTAL (FISHERIES)	3352.98	4000.00
	VII. AGRICULTURAL STATISTICS & ECONOMICS		
62.	Indian Agricultural Statistical Research Institute	194.98	225.00
	Indian Agricultural Statistical Research Institute, New Delhi i. National Centre for Agril. Economics & Policy Research, New Delhi	206.37	225.00
	TOTAL(ESM)	401.35	450.00
	VIII. AGRICULTURAL EXTENSION		
63.	Krishi Vigyan Kendras (New+Old) 16329.84		24331.00
64.	NRC for Women in Agriculture, Bhubaneswar	136.68	119.00
65.	Directorate of Information & Publication in Agriculture (DIPA), New Delhi	44.96	50.00
	TOTAL (AGRIL. EXTENSION)	16511.48	24500.00
	IX. AGRICULTURAL EDUCATION		
66.	Strengthening of Agricultural Education	8658.23	11988.00
	Strengthening of Agricultural Education Dev & Strengthening	140.86	381.00
	of State Agricultural Universities Dev. & Strengthening of PG	85.00	190.00
	Edn. In Deemed Universities Dev. & Strengthening of Agri. Edn. in Central Universities		

1	2	3		4
	Rural Awareness Work Experience (RAWE)		228.00	391.00
	Best Teacher Award			12.50
	Accreditation Board		086	2.50
	Preparation of University Level Text Book		0.78	6.50
	Emeritus Science Scheme (including 25 additional slots)		78.07	130.50
	Centres of Advance Studies (including 6 new CAS)		110.45	297.00
	Establishment of Jammu University			1687.00
	AHRD Spill over		4210.13	
	Centre of Excellence			2323.00
	i. AICRP Home Science		304.78	391.00
67.	Nat.	Agricultural Research &		
	Managment	Hyderabad	*128.80*	*200.00*
	TOTAL (AGRIL. EDUCATION)		13946.04	18000.00
68.	X. DEPARTMENT OF AGRICULTURAL RESEARCH AND EDUCATION (DARE)			
	i. Central Agricultural University, Imphal		2442.00	7000.00
	i. DARE		42.00	50.00
69.	National Board for Strategic Research			5000.00
	TOTAL(DARE)		2484.00	12050.00
	XI. ICAR HEADQUARTERS			
70.	Strengthening and Modernization of ICAR Headquarters			
	Strengthening and Modernization of ICAR Headquarters			
	Modernization of Office Space & Facilities		94.06	80.00
	Publicity & Public Relations		3521	150.00
	Intellectual Property Right (IPR)		7.95	1600
	Support to Prof. Soc. including NAAS		159.02	133.00
	Agriculture Scientist Recruitment Board			3.00
	TOTAL (HEADQUARTERS)		296.25	382.00
			168.89	
	Technology Mission on Horticulture for North-East Region (CITH			
	XII. EXTERNALLY AIDED PROJECTS			
71.	National Agricultural Technology Project, New Delhi (WB)		8367.85	6000.00
72.	Indo-French Seabass Breeding & Culture, Chennai			118.00
	TOTAL(EAPS)		8367.85	6118.00
	GRAND TOTAL		85898.44	115000.00

Statement-ll

Scheme-wise/Project-wise detail of outlay and expenditure of schemes operating in Andhra Pradesh

(Rs. in lakh)

	2004-05 (Actual Expenditure)	2005-06 (BE)
Directorate of Rice Research, Hyderabad	338.88	310.00
AICRP Rice, Hyderabad	569.96	634.10
NRC Sorghum, Hyderabad	267.62	216.35
AICRP Sorgum, Hyderabad	351.78	430.26
Central Tobacco Research Institute, Rajamundry	274.99	170.00
Network Project on Tobacco, Rajamundry	125.00	134.39
Directorate of Oilseed Research, Hyderabad	125.00	245.00
AICRP on Sunflower, Safflower, Castor,	405.00	359.51
Network on Economic Ornithology, Hyderabad	115.00	92.88
NRC Oil Palm, Pedavegi, A.P.	225.00	210.00
Central Research Institute of Dryland Agriculture, Hyderabad	198.46	195.00
AICRP Dryland Agriculture, Hyderabad	860.00	875.00
AICRP on Agrometeorology, Hyderabad	150.00	225.00
Project Directorate of Poultry, Hyderbad	198.35	200.00
AICRP on Poultry, Hyderbad	317.69	355.00
NRC on Meat and Meat Products Technology, Hyderabad	149.72	400.00
National Academy of Agricultural Research & Management (NAARM), Hyderabad	128.80	200.00
TOTAL	4801.23	5252.49

Problem in agriculture sector

† 2602. SHRI RAM JETHMALANI:
SHRI RAJ MOHINDER SINGH MAJITHA:

. Will the Minister of AGRICULTURE be pleased to state:

(a) whether Government have conducted a survey with regard to the problems being faced in the development of agriculture sector;

†Original notice of the question was received in Hindi.